



CITY OF HAYWARD

AGENDA REPORT

AGENDA DATE 11/16/99

AGENDA ITEM 4

WORK SESSION ITEM _____

TO: Mayor and City Council

FROM: Director of Public Works

SUBJECT: Hesperian Boulevard Fiber Optics Project: Award of Contract and Appropriation of Funds

RECOMMENDATION:

It is recommended that the City Council approve the attached resolution that:

1. Awards the contract to Mike Brown Electric Company in the amount of \$169,970; and
2. Appropriates an additional amount of \$68,000 to complete the project.

BACKGROUND:

This project installs two portions of the City's overall Fiber Optic Master Plan. The portion between West Winton Avenue and West Tennyson Road is identified as a backbone component. The portion between West Tennyson Road and Industrial Parkway is identified as a spur of the Fiber Optic Master Plan and will connect Fire Station #4 into the system (see Exhibit A).

On September 28, 1999, the City Council approved the project plans and specifications for the subject project and called for bids to be received on October 26, 1999.

Five bids were received on October 26, 1999. Mike Brown Electric Company from Cotati, California submitted the low base bid in the amount of \$169,970, which is 2 percent lower than the Engineer's Estimate of \$172,875. Norwood Construction submitted the second low bid in the amount of \$170,625, which is 1.3 percent below the Engineer's Estimate, and \$655 more than the low bid. The other three bids, which ranged from \$169,970 to \$222,088, are 15 percent, 22 percent, and 28 percent higher than the Engineer's Estimate.

The Alameda County Congestion Management Agency (CMA) previously requested that the City provide additional fiber optic strands along Hesperian Boulevard for use in the implementation of the Regional Fiber Optic System for Transportation Management along the I-880 "Smart" Corridor. Recently, CMA staff indicated they would not be able to fund this extra work, therefore, the additive bid items providing the additional fiber optic strands will not be included in the contract.

A combined Disadvantaged Business Enterprise (DBE) and Women-Owned Business Enterprise (WBE) goal of 4 percent was established for this project. Mike Brown Electric Company's bid includes 38 percent DBE participation.

PROJECT COSTS:

The estimated costs for the project are:

Design & Administration	\$ 28,000
Construction Contract Cost	169,970
Inspection and Caltrans permit	8,030
Total Estimated Cost:	<u>\$ 206,000</u>

FUNDING:

The adopted 1999/2000 Capital Improvement Program Budget includes \$138,000 in the Transportation System Improvement Fund for this project. An additional appropriation of \$68,000 is needed to complete the project. However, the City will receive TFCA Air District grant funds totaling \$191,000. Thus, the City contribution to this project will be \$15,000.

SCHEDULE:

Award of Contract	November 16, 1999
Begin Construction	April 16, 2000
End Construction	July 17, 2000

The above schedule reflects the current delays being experienced in the delivery of fiber optic construction materials.


Prepared by:


Robert A. Bauman, Deputy Director of Public Works

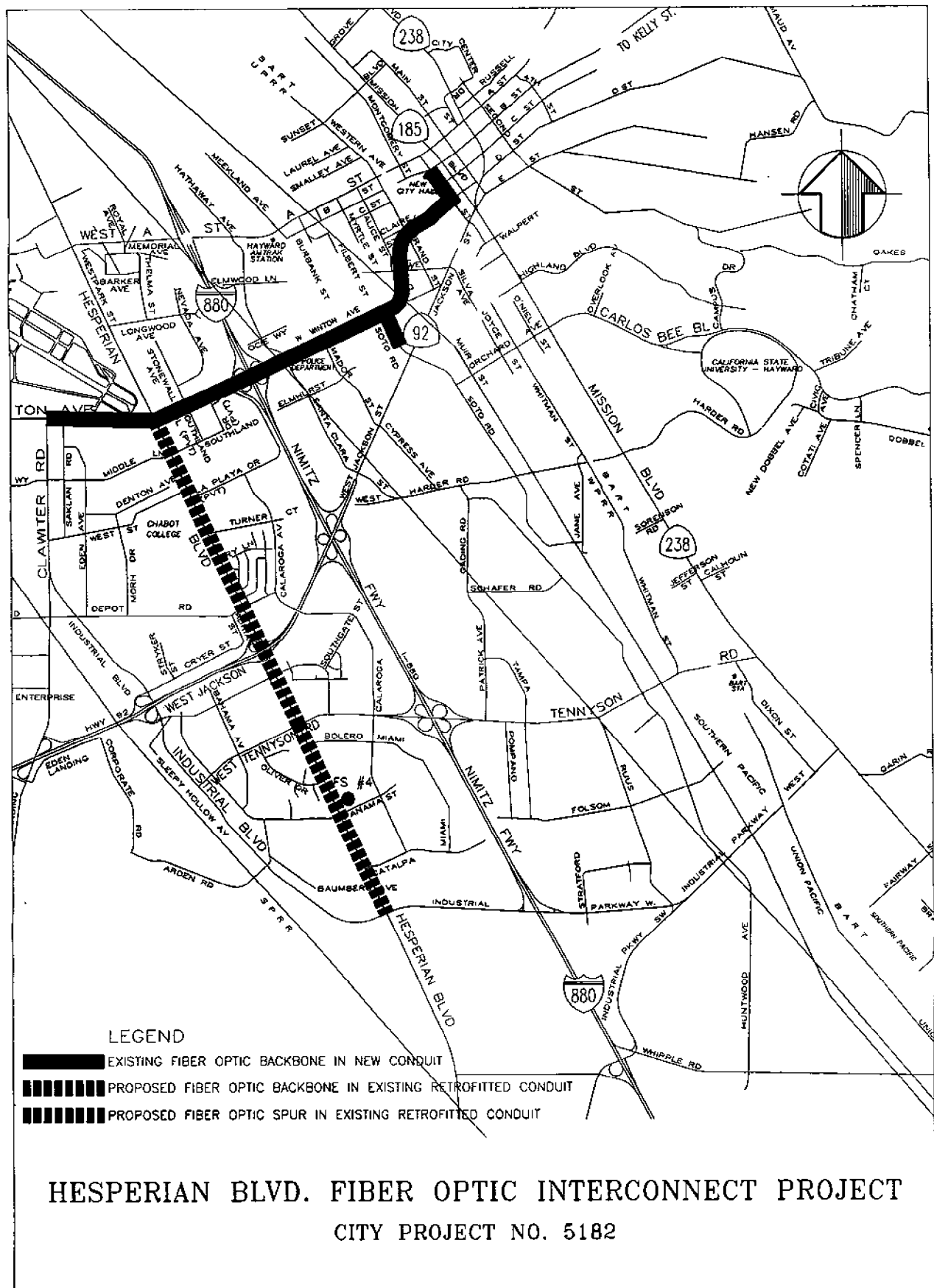
Recommended by:


Dennis L. Butler, Director of Public Works

Approved by:


Jesús Armas, City Manager

Attachments: Exhibit A - Location Map
Exhibit B - Bid Summary



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CITY OF HAYWARD
 HESPERIAN BOULEVARD FIBER OPTIC SYSTEM
 (WEST WINTON AVENUE TO INDUSTRIAL PARKWAY)
 PROJECT NO. 5182
 BIDS OPENED: OCTOBER 26, 1999

(NUMBER OF BIDS RECEIVED - 5)

PAGE 1 OF 6

BID SUMMARY			ENGINEER'S ESTIMATE		MIKE BROWN ELECTRIC CO. 561-A MERCANTILE DRIVE COTATI CA 94931-3040 (707) 792-8100		NORWOOD CONSTRUCTION PO BOX 1569 PLEASANTON CA 94566 (925) 484-5112		
ITEM	QUANTITY	UNIT		UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1	10,000	LF	SIXTY (60) SMFO CABLE	4.50	45,000.00	3.00	30,000.00	2.65	26,500.00
2	3,100	LF	THIRTY (30) SMFO CABLE	3.50	10,850.00	2.00	6,200.00	2.00	6,200.00
3	4,100	LF	SIX (6) SMFO CABLE	3.50	14,350.00	1.20	4,920.00	1.25	5,125.00
4	1,700	LF	2" CONDUIT BY TRENCHING OR DIRECTIONAL DRILLING METHOD	20.88	35,500.00	26.00	44,200.00	24.50	41,650.00
5	31	EA	NO. 6 PULL BOX	525.00	16,275.00	600.00	18,600.00	800.00	24,800.00
6	2	EA	NO. N48 PULL BOX	1,500.00	3,000.00	900.00	1,800.00	1,600.00	3,200.00
7	1	EA	REMOVE PULL BOX	200.00	200.00	450.00	450.00	500.00	500.00
8	3	EA	ELECTRICAL JUNCTION BOX	300.00	900.00	700.00	2,100.00	250.00	750.00
9	1	EA	SPLICE CLOSURE	2,000.00	2,000.00	4,000.00	4,000.00	3,750.00	3,750.00
10	1	EA	CONNECT TO EXISTING SPLICE CLOSURE	500.00	500.00	1,800.00	1,800.00	2,000.00	2,000.00
11	1	EA	CABLE ENCLOSURE	800.00	800.00	650.00	650.00	1,000.00	1,000.00
12	1	LS	FIBER DISTRIBUTION CENTER IN FIRE STATION NO. 4	2,500.00	2,500.00	6,000.00	6,000.00	5,600.00	5,600.00
13	1	LS	FIRE STATION NO. 4 CONNECTION	2,500.00	2,500.00	1,250.00	1,250.00	4,550.00	4,550.00
14	2	EA	SMFO VIDEO TRANSCEIVER	3,500.00	7,000.00	4,750.00	9,500.00	4,550.00	9,100.00
15	1	EA	PATCH PANEL	1,000.00	1,000.00	1,000.00	1,000.00	900.00	900.00
16	1	LS	TRAFFIC CONTROL	8,000.00	8,000.00	15,000.00	15,000.00	12,500.00	12,500.00
17	1	LS	ADMINISTRATIVE CHANGE ORDER	22,500.00	22,500.00	22,500.00	22,500.00	22,500.00	22,500.00
			BASE BID TOTAL		\$172,875.00		\$169,970.00		\$170,625.00

Exhibit B

CITY OF HAYWARD
 HESPERIAN BOULEVARD FIBER OPTIC SYSTEM
 (WEST WINTON AVENUE TO INDUSTRIAL PARKWAY)
 PROJECT NO. 5182
 BIDS OPENED: OCTOBER 26, 1999

(NUMBER OF BIDS RECEIVED - 5)

PAGE 2 OF 6

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ITEM	QUANTITY	UNIT		UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
ALTERNATE BID ITEMS									
A1	10,000	LF	NINETY-SIX (96) SMFO CABLE (ALTERNATE TO BID ITEM NO. 1)	6.00	60,000.00	4.00	40,000.00	3.70	37,000.00
A2	3,100	LF	SIXTY (60) SMFO CABLE (ALTERNATE TO BID ITEM NO. 2)	4.50	13,950.00	3.00	9,300.00	2.65	8,215.00
A3	4,075	LF	THIRTY-SIX (36) SMFO CABLE (ALTERNATE TO BID ITEM NO. 3)	4.00	16,300.00	2.20	8,965.00	2.00	8,150.00
A4	25	LF	SIX (6) SMFO CABLE (ADDITIVE ITEM)	6.00	150.00	1.20	30.00	4.00	100.00
A5	1	EA	NO. N48 PULL BOX (ADDITIVE ITEM)	1,500.00	1,500.00	900.00	900.00	1,600.00	1,600.00
A6	1	EA	SPLICE CLOSURE (ADDITIVE ITEM)	1,000.00	1,000.00	4,000.00	4,000.00	3,750.00	3,750.00
			ALTERNATIVE BID TOTAL		\$92,900.00		\$63,195.00		\$58,815.00

CITY OF HAYWARD
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 PROJECT NO. 5182
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(NUMBER OF BIDS RECEIVED - 5)

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BID SUMMARY				ENGINEER'S ESTIMATE		ALL POWER INCORPORATED 12352 LOMA RICA DRIVE GRASS VALLEY CA 95945 (530) 477-7379		TENNYSON ELECTRIC INC. 7275 NATIONAL DRIVE, SUITE A LIVERMORE CA 94550 (925) 606-1038	
ITEM	QUANTITY	UNIT		UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1	10,000	LF	SIXTY (60) SMFO CABLE	4.50	45,000.00	4.84	48,400.00	4.40	44,000.00
2	3,100	LF	THIRTY (30) SMFO CABLE	3.50	10,850.00	4.05	12,555.00 *	3.25	10,075.00
3	4,100	LF	SIX (6) SMFO CABLE	3.50	14,350.00	3.45	14,145.00	1.45	5,945.00
4	1,700	LF	2" CONDUIT BY TRENCHING OR DIRECTIONAL DRILLING METHOD	20.88	35,500.00	31.95	54,315.00	28.50	48,450.00
5	31	EA	NO. 6 PULL BOX	525.00	16,275.00	571.4516	17,715.00 *	450.00	13,950.00
6	2	EA	NO. N48 PULL BOX	1,500.00	3,000.00	1,361.475	2,722.95 *	900.00	1,800.00
7	1	EA	REMOVE PULL BOX	200.00	200.00	441.76	441.76 *	600.00	600.00
8	3	EA	ELECTRICAL JUNCTION BOX	300.00	900.00	1,036.933	3,110.80 *	3,350.00	10,050.00
9	1	EA	SPLICE CLOSURE	2,000.00	2,000.00	2,687.04	2,687.04 *	4,900.00	4,900.00
10	1	EA	CONNECT TO EXISTING SPLICE CLOSURE	500.00	500.00	1,425.60	1,425.60 *	2,800.00	2,800.00
11	.1	EA	CABLE ENCLOSURE	800.00	800.00	2,687.04	2,687.04 *	950.00	950.00
12	1	LS	FIBER DISTRIBUTION CENTER IN FIRE STATION NO. 4	2,500.00	2,500.00	2,152.64	2,152.64 *	16,200.00	16,200.00
13	1	LS	FIRE STATION NO. 4 CONNECTION	2,500.00	2,500.00	1,685.12	1,685.12 *	4,700.00	4,700.00
14	2	EA	SMFO VIDEO TRANSCEIVER	3,500.00	7,000.00	1,677.52	3,355.04 *	6,200.00	12,400.00
15	1	EA	PATCH PANEL	1,000.00	1,000.00	1,009.60	1,009.60 *	1,600.00	1,600.00
16	1	LS	TRAFFIC CONTROL	8,000.00	8,000.00	7,741.50	7,741.50 *	9,500.00	9,500.00
17	1	LS	ADMINISTRATIVE CHANGE ORDER	22,500.00	22,500.00	22,500.00	22,500.00	22,500.00	22,500.00
			BASE BID TOTAL		\$172,875.00		\$198,649.09		\$210,420.00

*UNIT PRICE DIFFERENT THAN SUBMITTED BID

CITY OF HAYWARD
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BID SUMMARY				ENGINEER'S ESTIMATE		ALL POWER INCORPORATED 12352 LOMA RICA DRIVE GRASS VALLEY CA 95945 (530) 477-7379		TENNYSON ELECTRIC INC. 7275 NATIONAL DRIVE, SUITE A LIVERMORE CA 94550 (925) 606-1038	
ITEM	QUANTITY	UNIT		UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
ALTERNATE BID ITEMS									
A1	10,000	LF	NINETY-SIX (96) SMFO CABLE (ALTERNATE TO BID ITEM NO. 1)	6.00	60,000.00	5.77	57,700.00	5.95	59,500.00
A2	3,100	LF	SIXTY (60) SMFO CABLE (ALTERNATE TO BID ITEM NO. 2)	4.50	13,950.00	4.85	15,035.00	5.30	16,430.00
A3	4,075	LF	THIRTY-SIX (36) SMFO CABLE (ALTERNATE TO BID ITEM NO. 3)	4.00	16,300.00	4.185521	17,056.00 *	4.10	16,707.50
A4	25	LF	SIX (6) SMFO CABLE (ADDITIVE ITEM)	6.00	150.00	5.00	125.00	1.45	36.25
A5	1	EA	NO. N48 PULL BOX (ADDITIVE ITEM)	1,500.00	1,500.00	300.00	300.00	900.00	900.00
A6	1	EA	SPLICE CLOSURE (ADDITIVE ITEM)	1,000.00	1,000.00	1,500.00	1,500.00	4,100.00	4,100.00
			ALTERNATIVE BID TOTAL		\$92,900.00		\$91,716.00		\$97,673.75 *

*UNIT PRICE DIFFERENT THAN SUBMITTED BID *TOTAL DIFFERENT THAN SUBMITTED BID

CITY OF HAYWARD
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 (WEST WINTON AVENUE TO INDUSTRIAL PARKWAY)
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BID SUMMARY			ENGINEER'S ESTIMATE		AMI ELECTRICAL & TELECOM 2353 WEST LAPALMA AVENUE ANAHEIM CA 92801 (800) 992-5264		
ITEM	QUANTITY	UNIT		UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1	10,000	LF	SIXTY (60) SMFO CABLE	4.50	45,000.00	4.50	45,000.00
2	3,100	LF	THIRTY (30) SMFO CABLE	3.50	10,850.00	3.50	10,850.00
3	4,100	LF	SIX (6) SMFO CABLE	3.50	14,350.00	2.50	10,250.00
4	1,700	LF	2" CONDUIT BY TRENCHING OR DIRECTIONAL DRILLING METHOD	20.88	35,500.00	52.00	88,400.00
5	31	EA	NO. 6 PULL BOX	525.00	16,275.00	775.00	24,025.00
6	2	EA	NO. N48 PULL BOX	1,500.00	3,000.00	920.00	1,840.00
7	1	EA	REMOVE PULL BOX	200.00	200.00	500.00	500.00
8	3	EA	ELECTRICAL JUNCTION BOX	300.00	900.00	120.00	360.00
9	1	EA	SPLICE CLOSURE	2,000.00	2,000.00	1,841.00	1,841.00
10	1	EA	CONNECT TO EXISTING SPLICE CLOSURE	500.00	500.00	1,350.00	1,350.00
11	1	EA	CABLE ENCLOSURE	800.00	800.00	491.00	491.00
12	1	LS	FIBER DISTRIBUTION CENTER IN FIRE STATION NO. 4	2,500.00	2,500.00	2,090.00	2,090.00
13	1	LS	FIRE STATION NO. 4 CONNECTION	2,500.00	2,500.00	340.00	340.00
14	2	EA	SMFO VIDEO TRANSCEIVER	3,500.00	7,000.00	2,160.00	4,320.00
15	1	EA	PATCH PANEL	1,000.00	1,000.00	1,131.00	1,131.00
16	1	LS	TRAFFIC CONTROL	8,000.00	8,000.00	6,800.00	6,800.00
17	1	LS	ADMINISTRATIVE CHANGE ORDER	22,500.00	22,500.00	22,500.00	22,500.00
			BASE BID TOTAL		\$172,875.00		\$222,088.00

CITY OF HAYWARD
 HESPERIAN BOULEVARD FIBER OPTIC SYSTEM
 (WEST WINTON AVENUE TO INDUSTRIAL PARKWAY)
 PROJECT NO. 5182
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PAGE 6 OF 6

BID SUMMARY			ENGINEER'S ESTIMATE		AMI ELECTRICAL & TELECOM 2353 WEST LAPALMA AVENUE ANAHEIM CA 92801 (800) 992-5264	
ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
ALTERNATE BID ITEMS						
A1	10,000	LF	NINETY-SIX (96) SMFO CABLE (ALTERNATE TO BID ITEM NO. 1)	6.00 60,000.00	6.25	62,500.00
A2	3,100	LF	SIXTY (60) SMFO CABLE (ALTERNATE TO BID ITEM NO. 2)	4.50 13,950.00	4.50	13,950.00
A3	4,075	LF	THIRTY-SIX (36) SMFO CABLE (ALTERNATE TO BID ITEM NO. 3)	4.00 16,300.00	3.60	14,670.00
A4	25	LF	SIX (6) SMFO CABLE (ADDITIVE ITEM)	6.00 150.00	2.50	62.50
A5	1	EA	NO. N48 PULL BOX (ADDITIVE ITEM)	1,500.00 1,500.00	920.00	920.00
A6	1	EA	SPLICE CLOSURE (ADDITIVE ITEM)	1,000.00 1,000.00	1,991.00	1,991.00
			ALTERNATIVE BID TOTAL	\$92,900.00		\$94,093.50

83 11/12/99

HAYWARD CITY COUNCIL

RESOLUTION NO. _____

Introduced by Council Member _____

RESOLUTION AMENDING RESOLUTION 98-110, AS
AMENDED, THE BUDGET RESOLUTION FOR
CAPITAL PROJECTS FOR FISCAL YEAR 1999-2000,
RELATING TO AN APPROPRIATION OF FUNDS FOR
THE HESPERIAN BOULEVARD FIBER OPTICS
PROJECT, PROJECT NO. 5182

BE IT RESOLVED by the City Council of the City of Hayward that
Resolution No. 98-110, as amended, the Budget Resolution for Capital Projects for fiscal
year 1998-99, is hereby further amended by approving an additional appropriation of
\$68,000 from the Transportation System Improvement Fund, Fund 420, to the Hesperian
Boulevard Fiber Optics Project, Project No. 5182.

IN COUNCIL, HAYWARD, CALIFORNIA _____, 1999

ADOPTED BY THE FOLLOWING VOTE:

AYES:

NOES:

ABSTAIN:

ABSENT:

ATTEST: _____
City Clerk of the City of Hayward

APPROVED AS TO FORM:

City Attorney of the City of Hayward

MS 11/10/99

HAYWARD CITY COUNCIL

RESOLUTION NO. _____

Introduced by Council Member _____

RESOLUTION AWARDING CONTRACT TO MIKE BROWN
ELECTRIC COMPANY FOR THE HESPERIAN
BOULEVARD FIBER OPTICS PROJECT, PROJECT NO. 5182

WHEREAS, by resolution on September 28, 1999, the City Council approved the plans and specifications for the Hesperian Boulevard Fiber Optics Project, Project No. 5182, and called for bids to be received on October 26, 1999; and

WHEREAS, the project is categorically exempt from environmental review under the California Environmental Quality Act;

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Hayward that Mike Brown Electric Company from Cotati, California is hereby awarded the contract for the Hesperian Boulevard Fiber Optics Project, Project No. 5182, in accordance with the plans and specifications adopted therefor and on file in the office of the City Clerk of the City of Hayward is awarded at and for the price named and stated in the bid of the hereinabove specified bidder, and all other bids are hereby rejected.

BE IT FURTHER RESOLVED that the City Manager is hereby authorized and directed to execute a contract with Mike Brown Electric Company, in an amount not to exceed \$169,970, for the award of the project on behalf of the City of Hayward, in a form to be approved by the City Attorney.

IN COUNCIL, HAYWARD, CALIFORNIA _____, 1999

ADOPTED BY THE FOLLOWING VOTE:

AYES:

NOES:

ABSTAIN:

ABSTAIN:

ABSENT:

ATTEST: _____
City Clerk of the City of Hayward

APPROVED AS TO FORM:

City Attorney of the City of Hayward